

SUPERIOR
QUALITY

BOG

SERVICE
WRENCHES

CATALOG NO. 8

of
GUARANTEED TOOLS

Including

SOCKET WRENCHES, SOCKET SETS,
WHEEL AND GEAR PULLERS,
VALVE GRINDING EQUIPMENT.

In Fact Everything Necessary to
Completely Overhaul Your Car.

For Sale by

Made and Guaranteed by

THE BOG MANUFACTURING CO.

2116-24 N. Menard Ave. - CHICAGO

GENERAL DESCRIPTION

Every piece of material entering into the construction of BOG SUPERIOR QUALITY service wrenches and tools is carefully selected and must come up to our usual high standard of quality.

Every socket is Accurately Machined from a Solid Bar of exceptionally fine quality steel of special analysis which insures the maximum of strength and durability.

DESIGN. By means of scientific distribution of metal and weight in our wrenches and tools we have produced a well balanced product of refined design and pleasing appearance.

All sockets are machined both inside and out having the proper amount of taper to give them the maximum of strength and clearance.

FINISH. BOG wrenches are finished with a heavy satin nickel finish, and sizes of socket openings are stamped on each wrench.

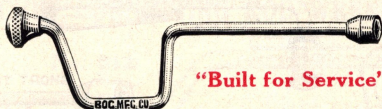
WARRANTY

Our unconditional GUARANTEE OF SATISFACTION goes with each sale, and any shipment of merchandise not found exactly as represented may be returned for full credit.

Any tool or other device which we manufacture that may prove defective in either material or workmanship will be replaced free of charge at our factory.

BOG MANUFACTURING COMPANY

BOG SPEED WRENCHES



"Built for Service"

BOG brace type wrenches have become very popular in the garage and repair shop owing to the saving in time effected by their use. They are used extensively in taking down and assembling all kinds of machinery and are particularly adapted for use on automobiles, tractors, trucks, etc.

Speed wrenches are made in the following sizes of socket opening: 7/16", 1/2", 9/16", 19/32", 5/8", 11/16" and 3/4".

Order by Stock Number

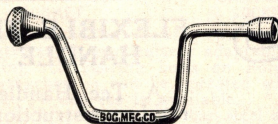
Stock No.	114	116	118	119	120	122	124
Size	7/16"	1/2"	9/16"	19/32"	5/8"	11/16"	3/4"

Nos. 114 to 124. Price, each.....\$0.90

No. 164—1/2" Short Speeder for Crank Case.

Lower Cover 12" over all. Each..... \$0.80

BOG RIM WRENCHES



This is a popular type of wrench for use on demountable rims. The sockets are made of steel, machine turned and accurately broached to size. They are so fastened to the handle that they cannot turn or lose off, and as there is only one size nut on any rim this solid handle tool fills all requirements. Tire changes are emergency work and dependable tools are worth all they cost.

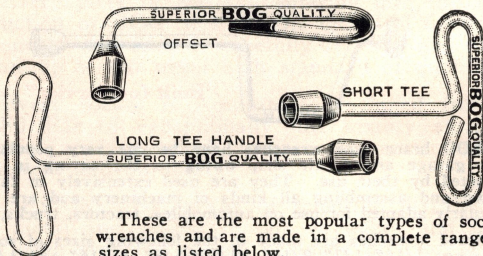
Made in five sizes. State size wanted.

Stock No.	Size.	Stock No.	Size.
420	5/8"	424	3/4"
422	11/16"	426	13/16"
428	7/8"		

Nos. 420 to 426. Price, each.....\$1.00

BOG MANUFACTURING COMPANY

Tee and Offset Handle Wrenches



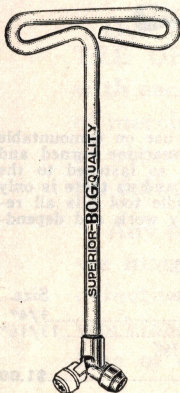
These are the most popular types of socket wrenches and are made in a complete range of sizes as listed below.

Offset Handle	Price Each. \$0.50
Short Tee Handle.....	.60
Long Tee Handle.....	.65

STOCK NUMBERS

Size	Offset	Short Tee	Long Tee
7/16"	514	614	714
1/2"	516	616	716
9/16"	518	618	718
19/32"	519	619	719
5/8"	520	621	720
11/16"	522	623	722
3/4"	524	624	724

FLEXIBLE TEE HANDLE WRENCH



A Tee Handle wrench of rigid construction made of 1/2" round steel, fitted with a steel universal joint and socket which are permanently attached.

Takes the place of many special wrenches in the repair shop. A very efficient tool in difficult or inaccessible places.

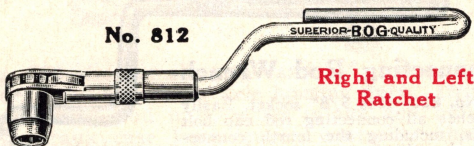
Finished in white nickel.

Made in two sizes, 9/16" and 5/8" Hex.

No. 309—9/16"	\$2.00
No. 312—5/8"	2.00

SPECIAL WRENCHES FOR FORD CARS

RATCHET CONNECTING ROD WRENCH



**Right and Left
Ratchet**

A guaranteed Ratchet Wrench of rigid construction. Designed for use on fourth connecting rod—cap bolt nuts on Ford cars, also fits cylinder head capscrews, water inlet and outlet connections, rim lug nuts, and many other bolts and nuts on all makes of cars.

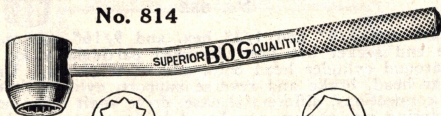
Ratchet and all working parts made of fine quality steel and scientifically heat treated.

Finished in white nickel.

No. 812. Price, each.....\$2.75

NEW STYLE CONNECTING ROD WRENCH

No. 814



**12 CORNERED
SOCKET**



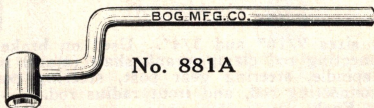
**ORDINARY
SOCKET**

This new type of socket having twelve corners in place of six, as illustrated, is particularly adaptable for use on the fourth connecting rod bearing bolts on Ford cars. Unlike other socket wrenches, it can be operated where a swing or clearance of but 30 degrees is available.

Sockets are machined from solid bar steel and heat treated. Knurled handle. Finished in white nickel.

No. 814. Price, each\$0.60

MAIN BEARING WRENCH

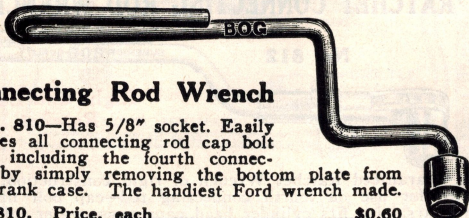


This wrench has 9/16 square socket to fit main bearing bolts on Ford cars. The special shape handle is extra heavy. Wrench is 13 1/2" long over all. Made of high grade steel finished in white nickel.

No. 881A—Main Bearing Wrench.....\$0.65

BOG MANUFACTURING COMPANY

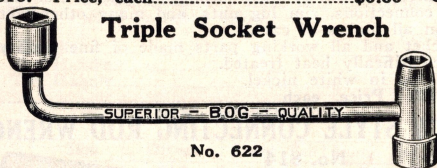
SPECIAL WRENCHES FOR FORD CARS



Connecting Rod Wrench

No. 810—Has 5/8" socket. Easily reaches all connecting rod cap bolt nuts, including the fourth connection by simply removing the bottom plate from the crank case. The handiest Ford wrench made.

No. 810. Price, each.....\$0.60

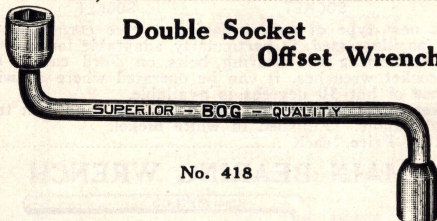


Triple Socket Wrench

No. 622

Socket size 5/8" and 1/2" hex. and 9/16" square. The double end socket has been designed particularly for clearance around cylinder head bolts and other places. Used on cylinder head, brake and reverse support, cylinder inlet and outlet connections, differential case, drive shaft roller bearing, front spring tie, spring, run board fender, rear axle housing crank case (lower cover), controller shaft bracket, and 9/16" square socket on main bearing bolt head.

No. 622. Price, each.....\$0.90



Double Socket Offset Wrench

No. 418

Socket sizes 9/16" and 3/4". Used on brake shoe support, connecting rod clamp, crank shaft (main) bearing, fan bracket spindle, steering gear post, steering post bracket, spindle connecting rod, and front radius rod.

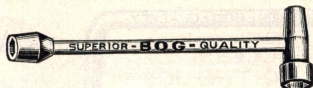
No. 418. Each.....\$0.90

No. 881

Same style as our No. 418 only fitted with socket sizes. 9/16" square and 9/16" hex. Will fit crank shaft bolt head connecting rod clamp screw, running board bolt nut, and running board to fender bolt nut.

No. 881. Price, each.....\$1.10

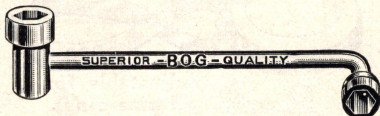
HANDY SOCKET WRENCH



No. 620—Socket sizes $\frac{5}{8}$ " and $\frac{1}{2}$ ", for use on cylinder head bolts, rear axle housing nuts. Drive shaft housing stud nuts, water intake and outlet screws, crank case lower cover, controller shaft, bracket nuts and many other places too numerous to mention. The single socket allows one to spin the nut off or on when loose, saving time.

No. 620. Each\$0.75

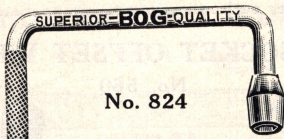
HEAVY DUTY SOCKET WRENCH



No. 660—A Triple Socket Offset Wrench, Socket eyes $\frac{15}{16}$ ", $\frac{7}{8}$ " and $\frac{11}{16}$ ". Built especially for heavy duty; used on drive shaft pinion, front spring clip, hub bolts and nuts, radius rod, rear hub lock nut, rear spring clip, spindle arm and body bolts.

No. 660. Price, each.....\$1.10

CARBURETOR WRENCH



No. 824

This new tool is especially designed to reach Carburetor flange bolts and nuts on Ford cars and trucks. These bolts are very inaccessible and difficult to remove or tighten up with an ordinary wrench. They often loosen up allowing the joint to leak air causing irregular running, hard starting, etc., wrench has $\frac{9}{16}$ " socket and with the special handle the work is easily done.

A time saver in the garage or repair shop.

No. 824—Carburetor Wrench, each.....\$0.60

No. 825—Plain Straight Handle......40

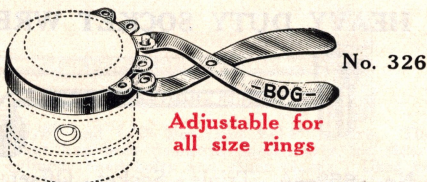
FLY WHEEL WRENCH



Used on the fly wheel cap screws on Ford cars. Size of socket $11/16$ ". It has been considered an impossibility to reach these screws with a socket wrench. Here is a strong wrench that makes this ugly place accessible.

No. 822. Price, each.....\$0.70

PISTON RING COMPRESSOR

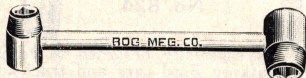


This piston ring compressor closes up the rings on the piston while it is being entered into the cylinder. It works equally well whether or not the valves have been removed from the engine. It is impossible to break the ring with this compressor as it does not become out of round or elongated when it is contracted, but conforms closely to the walls of the piston. The pressure is exerted on the entire circumference of the ring instead of at two points only, as is the case with most ring compressors. Fits all size rings from $2\frac{3}{4}$ " to $4\frac{1}{8}$ " diameter.

No. 326. Price, each.....\$0.60

FOUR SOCKET OFFSET WRENCH

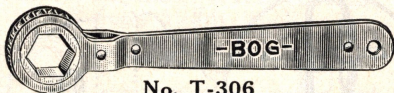
No. 560



This little wrench fits 95% of the nuts on the Ford cars. Gets into corners where other socket wrenches and end wrenches fail. Socket openings, $\frac{1}{2}$ "- $9/16$ " and $\frac{5}{8}$ "- $11/16$ ". Made of quality steel, very strong; finished in white nickel.

No. 560—Four Socket Offset Wrench.....\$0.65

TRANSMISSION RATCHET WRENCH



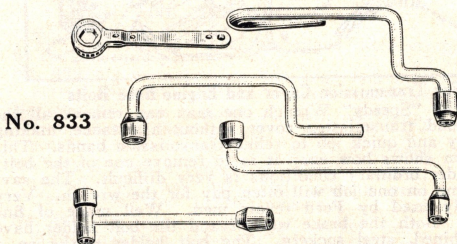
No. T-306

A very convenient wrench especially designed for adjusting the nuts on Ford Transmission. Reverse and brake bands. It is a difficult task to adjust these nuts without a special wrench. The ratchet feature makes this wrench easy to operate and very rapid.

No. T-306—Transmission Ratchet Wrench, each.....\$0.55

No. 307—Open End Type, Case Hardened..... .25

FORD OWNER'S WRENCH SET



No. 833

Designed to meet the increasing demand for a strong serviceable wrench set at a very low price. Set consists of the five wrenches most frequently used on Ford cars. Made of cold drawn steel finished in white nickel.

No. 833—Set Complete.....\$2.50

HANDY RATCHET HANDLE

TO REVERSE-SHIFT LUG



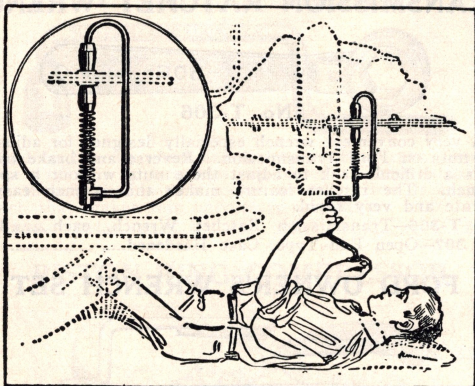
No. 201

This ratchet handle is a favorite due to its size and adjustment, it is 6½" long over all. All working parts are case hardened. Fits 7/16" Hex extension bars and all sizes sockets in our Multi-Fit, Utility, Dandy and Jumbo socket sets.

Wrench is furnished with 2", 7/16" Hex shift plug with friction ball snap socket connection as shown.

No. 201. Handy Ratchet Handle, Complete.....\$0.65

"SPEEDY" WRENCH



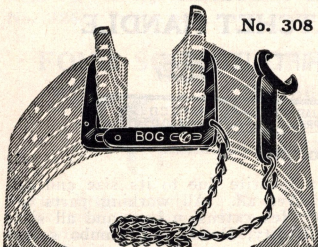
For Transmission Cover and Engine Base Bolts

With the "Speedy" Wrench one man can remove all the bolts around transmission cover without assistance, making it an easy and quick job to reline transmission bands. This illustration shows how easy it is to remove one of the bolts which under ordinary conditions is very difficult. The saving of time on one job will often pay for the wrench. Very extensively used by Ford repair men. Well made of fine material. Both the brace wrench and the bolt holder have fine machined, steel sockets. The bolt holder works on a slide on the shank of main wrench and a coil spring holds it securely in place while in use. Shipping weight, 3 lbs. Finished in white nickel.

No. 707B—"Speedy" Wrench.....\$2.25

TRANSMISSION BAND TOOL

No. 308



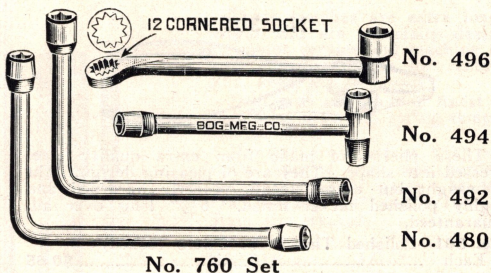
The holding of the transmission bands together while replacing the top of the transmission case is an annoying problem. The tool shown is designed to eliminate this difficulty.

The clamp shown in the cut holds the bands in perfect alignment and can be put on and removed instantly. The wrench

which is attached to the clamp with a chain fits adjustment nuts and the chain prevents losing either the tools in the transmission case, which often causes trouble and delay. No. 308. Price, each (fits old or new style bands).....\$0.70

CHEVROLET WRENCHES

Strong Sturdy Tools



The Chevrolet wrenches are made extra strong to fit the following parts:

No. 496 fits main bearing bolt, king bolt nut, spring bolt nut. $13/16$ " sockets.....Each \$1.25

No. 494 fits axle housing, oil pan, oil pump, transmission bearing, etc. $1/2$ ", $5/8$ ", $1/2$ " socketsEach .65

No. 492 fits motor support screw, water outlet, tri-rod bolts and nuts and steering gear clamp. $5/8$ " and $11/16$ " sockets.....Each .75

No. 490 fits connecting rod, cylinder head, differential case, wrist pin, drive shaft housing, fly wheel, cap screw, intake and exhaust manifold, transmission stud, etc. $13/4$ " and $9/16$ " socketsEach .75

No. 760—Chevrolet set (1 each of above)..... 3.25

SPARK PLUG WRENCH



Machined from solid bar stock with size of socket opening stamped on each end.

Beautifully knurled, mottled and case hardened. Handle is of the swivel type which is very convenient in close quarters.

Made in the two popular sizes that fit practically all makes of cars, including the Nash and Willys Knight.

No. 686—1 $5/32$ " and $31/32$ ", each.....\$0.70

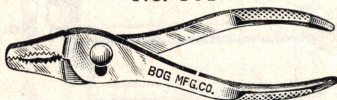
No. 688—1 $1/32$ " and $29/32$ ", each..... .70

BOG MANUFACTURING COMPANY

GROUND THIN NOSE PLIERS

Highly Polished Nickel Finish

No. 301

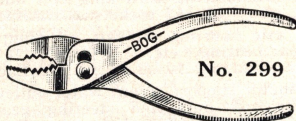


These pliers are made from extra quality steel pressed into shape. They are of pleasing design, light in weight but extra strong, properly hardened and highly polished nickel finish. 6½" long over all. Guaranteed.

No. 301—Polished Thin Nose Pliers (boxed)

Each\$0.65

PLAIN THIN NOSE PLIERS



No. 299

These thin nose slip joint pliers are cut out of high grade sheet steel, formed into a convenient shape, are hardened and tempered, 6½ inches long over all. Are made in two finishes, blue mottled and rust-resisting white nickel.

(100 to shipping case)

No. 299. Mottled finish pliers (bulk).....\$0.40

No. 300. White nickel pliers (bulk)..... .50

GENERATOR BRUSH WRENCH

FITS FORD GEN. BRUSH NUTS



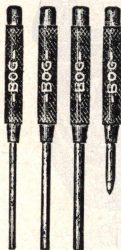
No. 190

The Ford generator brush adjusting nuts are difficult to reach—our little wrench is so designed that it will loosen or tighten these nuts in any position. Made of quality steel, properly hardened, blue mottled finish.

No. 190. Generator Brush Wrench (gross lots).....\$0.18

PIN AND CENTER PUNCHES

WARRANTED



These punches are extra long in length and are especially designed for motor service and machine shop work. Indispensable for removing pins, keys, etc.

Drift pins are made of finest crucible steel drill rod, spring tempered and polished.

Handles are made of 1/2" round stock, knurled and case hardened.

Length overall 7 3/4". Made in 1/8", 3/16", 1/4" and 5/16" sizes. State size wanted.

No. 316.....	1/8"	\$0.60
No. 318.....	3/16"	.60
No. 320.....	1/4"	.60
No. 322.....	5/16"	.60

Packed ten of a size in a box.

Center punches made shorter in length as illustrated but of same high grade material and workmanship as described above.

No. 324. Center Punch, each.....\$0.60

Packed ten in a box.

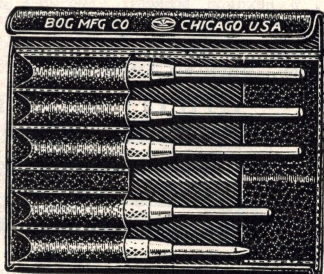
CRUCIBLE STEEL PUNCH SET

FULLY GUARANTEED

This Pin and Center punch set is designed to meet the requirements of motor service and machine shop work.

The body of these punches is made of the finest crucible steel spring tempered and polished.

Handles are made of 3/8" round steel knurled and case hardened.

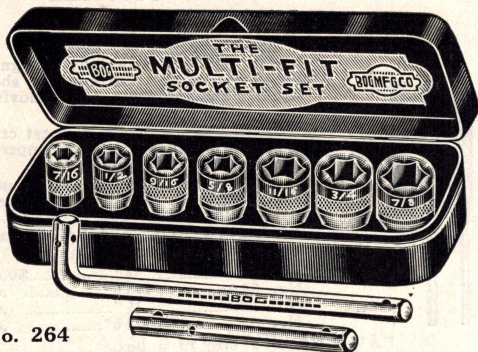


Set consists of 4 pin punches and one center punch of the following sizes: Pin punch sizes, 1/8", 3/16", 1/4, 5/16", length overall 7 3/4"; Center punch, 5/16", length overall 6". Comes complete in strong neat leatherette roll. "The mechanics favorite set."

No. 325. Crucible Steel Punch Set.....\$3.00

BOG MANUFACTURING COMPANY

THE "MULTI-FIT" SOCKET SETS



No. 264

These sets are extra quality, being much superior over other small sets on the market, even at higher prices.

No. 264 Multi-Fit set consists of 1 offset handle, 1 long extension bar, 7 hexagon sockets, 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8". Handles, etc., are nickel finish, sockets are case hardened and blue mottled finish. A tool box set for all kinds of workmen. (7/16" hex shank type). Metal box.

No. 264. Multi-Fit Socket Set (illustrated).....\$2.25

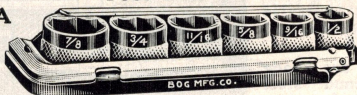
No. 266 Multi-Fit Socket Set consists of 1 offset handle, 1 long extension bar, 1 ratchet handle, 1 short extension bar, 6 hexagon sockets, 7/16", 1/2", 9/16", 5/8", 11/16", 3/4". Handles, etc., are white nickel finish; sockets are case hardened and blue mottled finish. (7/16" hex shank type) in metal box.

No. 266. Multi-Fit Socket Set.....\$2.75

UTILITY SOCKET SETS

Tool Box Set

No. 248A



Not only utility in name but utility in usefulness as well. An exceptional set, consisting of 1 long offset handle, six hexagon sockets, 7/16", 1/2", 9/16", 5/8", 11/16", 3/4". Handle is nickle finish, sockets are case hardened and blue mottled finish. (7/16" hex shank type) put up as follows:

No. 248—Utility Set in leatherette bag.....\$0.80

No. 248A—Utility Set in metal container (illustrated).... .85

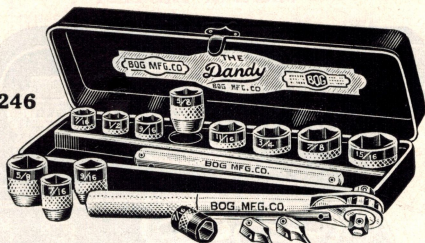
No. 248B—Utility Set, finished paper box......75

2116-24 N. MENARD AVE., CHICAGO

THE DANDY SOCKET SET

SMALL in Size—a GIANT in Strength

No. 246

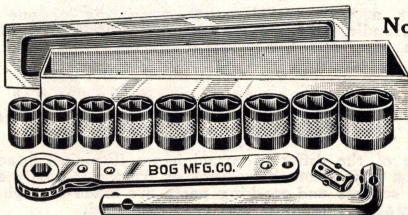


This is a high grade set adaptable to the car owner's use. Contains 1 reversible ratchet handle, 1 extension bar, 2 screw driver bits, 1 connector socket, 10 hex opening sockets, 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 15/16" and 3 square sockets, 7/16", 9/16", 5/8". Handles, etc., are nickel plated, sockets are case hardened with blue mottled finish. Packed in strong steel box. Special sub bottom with individual place for each socket. (7/16" hex shank type).
No. 246—Dandy Socket Set.....\$6.00

ALL-PURPOSE SOCKET SET

Car Owner's Friend

No. 250



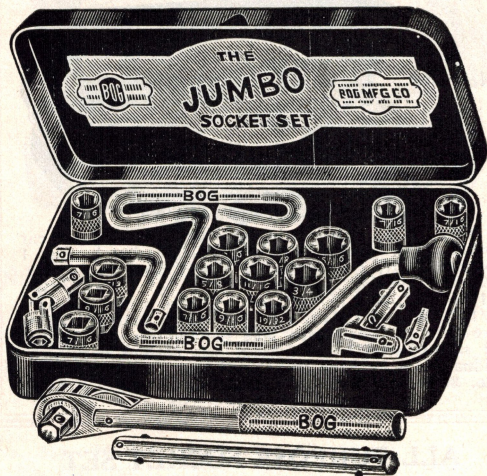
Very compact all-round handy set consists of 1 ratchet handle, 1 short extension bar, 1 straight offset handle, 9 hex opening sockets, 7/16", 1/2", 9/16", 19/32", 5/8", 11/16", 3/4", 13/16", 7/8". Handles are white nickel finish, sockets are case hardened, blue mottled finish. (7/16" hex shank type).

No. 250—All Purpose Socket Set (metal box).....\$1.75

BOG MANUFACTURING COMPANY

THE JUMBO SOCKET SET

"MADE OF THE BEST"



No. 262

This is a very complete set consisting of one Speed Wrench Handle, one Tee Handle, one Ratchet Handle, one Extension Bar, one Universal Joint, one Adjustable Valve Grinding Attachment, one Coupling and one each of the following:

Sizes of Sockets: $7/16"$, $1/2"$, $9/16"$, $19/32"$, $5/8"$, $11/16"$, $3/4"$, $13/16"$, $25/32"$, $7/8"$, and $15/16"$ Hexagon and $7/16"$, $9/16"$ and $5/8"$ Square Sockets.

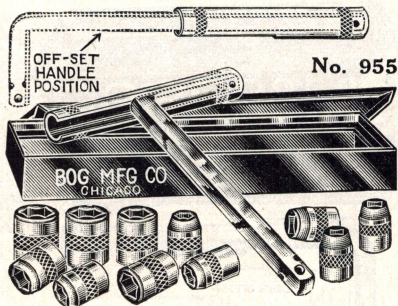
By use of the different attachments furnished practically any nut on any automobile, truck or tractor is easily accessible. All sockets and working parts are made of high grade steel accurately machined and case hardened.

Sockets are mottled finish and handles are nickel plated and highly polished. Put up in a seamless metal container, specially designed so that every socket and handle has an individual place—always easy to find.

This is without question the handiest and most complete wrench set of its size on the market. $7/16"$ hex shank type.

No. 262. Jumbo Socket Set.....\$14.00

JUNIOR SOCKET SET



No. 955

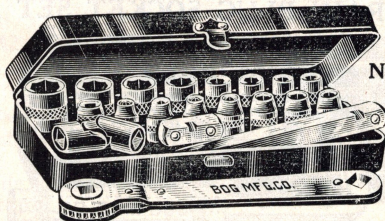
Assembled to meet the requirements for a handy all-round repair kit, for use on Ford cars, tractors, trucks and other machinery.

Set contains, 1 combination Tee and offset handle, 9 hexagon opening sockets, $7/16"$, $1/2"$, $19/32"$, $5/8"$, $11/16"$, $3/4"$, $25/32"$, $13/16"$, $7/8"$ and one $9/16"$ square opening socket to fit Ford main bearing bolts. Sockets are case hardened, tempered. Finish—handle white nickel, sockets rich blue steel color.

Complete in heavy metal box.

No. 955. Junior Socket Set Complete.....\$3.50

SENIOR SOCKET SET



No. 957

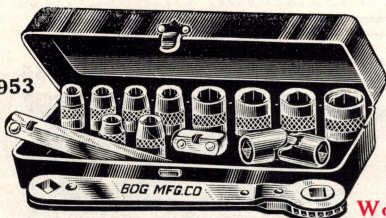
An excellent combination for any car, truck, tractor or other machinery. Contains 1 heavy ratchet handle, 2 extension bars, 1 universal joint, 15 hex opening sockets, and one square opening socket. Hexagon opening, $15/16"$, $11/32"$, $3/8"$, $7/16"$, $1/2"$, $9/16"$, $19/32"$, $5/8"$, $11/16"$, $3/4"$, $25/32"$, $13/16"$, $7/8"$, $15/16"$, $1"$ and one $1/2"$ square opening socket, all sockets are case hardened. Finish—handles white nickel, sockets rich blue steel color, furnished in heavy steel box.

No. 957—Senior Socket Set complete.....\$6.00

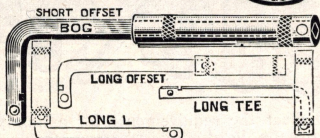
BOG MANUFACTURING COMPANY

SOPHOMORE SOCKET SET

No. 953



The
Workman's
Kit



Set has capacity of 120 wrenches; adaptable for work on automobile trucks, tractors or other machinery. Contains 15 pieces; 1 combination long and short offset, Tee and L handle, 1 heavy ratchet handle, 1 short 2" extension bar, 1 long 7 1/2" extension bar, 1 universal joint with 10 steel sockets, 9 hexagon opening sizes, 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 15/16", 1" and 1 9/16" square opening socket.

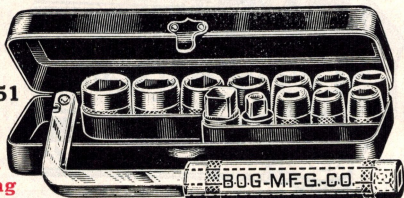
Handles are white nickel finish, sockets and universal joint case hardened and blue mottled finish. (1/2" square shank type).

No. 953—Sophomore Set in strong steel box.....\$6.50

DRAIN PLUG SOCKET SET

No. 951

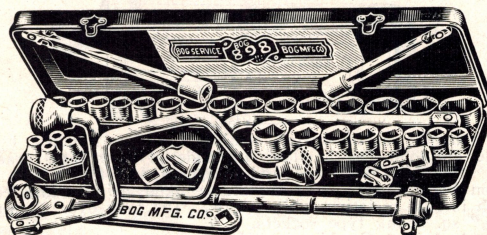
Key
to Oil
Draining



A very compact service station set for oil draining and greasing. Contains 1 Bog's famous 4 in 1 combination offset, Tee and L handles illustrated above in the No. 953 set. Has 6 hexagon sockets, 1/2", 5/8", 11/16", 3/4", 13/16", 15/16", 4 square sockets, 3/8", 7/16", 1/2", 3/4", and 2 square drain plugs, 1/2", 3/4". Handle is white nickel, sockets and plugs case hardened, blue mottled finish. (1/2" square shank type).

No. 951—Drain Plug Set in steel box.....\$4.50

BOG'S 898 SOCKET WRENCH SET



Repair Shop Special

This all purpose general utility socket set places the repair man in a position to do the wrench work on any car, tractor or truck. Set consists of the following handles with $\frac{1}{2}$ " square shank fitted with friction ball snap and an assortment of sockets to fit as illustrated.

1 long speed handle; 1 short speed handle; 1 long extension bar; 1 short extension bar; 1 sliding handle combination tee and offset handle; 1 ratchet handle; 1 universal joint; 1 valve grinder bit with 19 Hex opening sockets and 8 square opening sockets in the following sizes—Hexagon opening, $\frac{5}{16}$, $\frac{11}{32}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{19}{32}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{25}{32}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$, $\frac{31}{32}$, 1, 1- $\frac{1}{16}$, 1 $\frac{1}{8}$, and 1 $\frac{1}{4}$. Square opening— $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, and $\frac{7}{8}$.

All sockets and working parts are made of high grade steel accurately machined, case hardened temper; the speed handles and other wrenches are made of high grade steel, neatly made and very strong. All wrench handles furnished in rust resisting white nickel finish. Sockets are finished in rich blue steel color. Set comes packed in a heavy metal box with hinge lid and compartments for sockets, handles, and other wrenches.

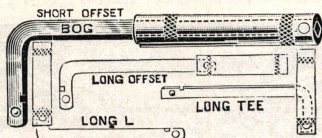
No. 898. Bog's 898 socket set complete \$18.00

(See Pages 23 and 26 for extra sockets to fit)

BOG MANUFACTURING COMPANY

4 IN 1 COMBINATION HANDLE

No. 934



This handle, as illustrated, combines 2 offset handles, 1 L handle and one Tee handle. Is made of very high grade steel. Shank is hardened and tempered and fitted with a friction ball in each end; adjustable hand grip is knurled. Finish is rust resisting white nickel. 10" long over all, fits all $\frac{1}{2}$ " sq. shank type sockets.

No. 934—4 in 1 Combination Handle.....\$1.00

HEAVY RATCHET HANDLE

TO REVERSE-SHIFT LUG

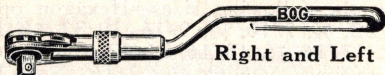
No. 936



This heavy handle is exceptionally strong, made for heavy work, has large case hardened and tempered ratchet, fits all sizes $\frac{1}{2}$ " square shank type sockets.

Is 9" long overall. Finished in rust-resisting white nickel.
No. 936. Heavy Ratchet Handle.....\$1.50

OFFSET RATCHET HANDLE



Right and Left Ratchet

This popular ratchet handle speeds up the job where fast light work is required. Has right and left ratchet, made of nickel steel, hardened and tempered, finished in white nickel, $9\frac{1}{2}$ " long overall. Fits $\frac{1}{2}$ " sq. shank sockets.

No. 915. Offset Ratchet Handle.....\$2.75

LONG TEE HANDLE

($\frac{1}{2}$ " Square Shank)

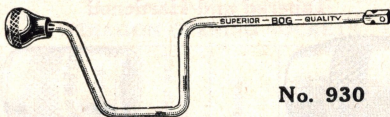


No. 925

A very popular type handle with mechanics. Made of high quality steel with $\frac{1}{2}$ " sq. shank, to fit $\frac{1}{2}$ " sq. shank sockets. 11" long, finished white nickel.

No. 925. Long Tee Handle.....\$0.80

LONG SPEED WRENCH



No. 930

This speed handle is made from $\frac{1}{2}$ " round steel bars, has $\frac{1}{2}$ " square shank fitted with friction ball to retain sockets.

Has knurled metal handle.

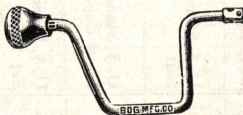
Wrench is 19 inches long overall, fits all sizes $\frac{1}{2}$ " square type sockets.

Satin nickel finish.

No. 930. Long Speed Handle.....\$1.20

(See Page 23 for Regular Sockets)

SHORT SPEED WRENCH



No. 932

This short handle, made from $\frac{1}{2}$ " round steel stock, has $\frac{1}{2}$ " sq. shank with friction ball to hold sockets. Fits all sizes $\frac{1}{2}$ " square type sockets. Finish—Satin nickel.

12" long overall. Has knurled metal handle.

No. 932. Short Speed Wrench.....\$1.10

(See Page 26 for Crome Vanadium Sockets)

MASTER EXTENSION BARS

($\frac{1}{2}$ " Square Type)



Master extension bars are made from $\frac{1}{2}$ " square steel bars fitted with friction ball in each end.

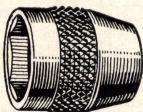
Made in $7\frac{1}{2}$ " and 2" lengths. Satin nickel finish.

No. 940. 2" Extension Bar.....\$0.30

No. 942. $7\frac{1}{2}$ " Extension Bar......50

DETACHABLE STEEL SOCKETS

Tapered and Hardened



For 7/16" Hex. Handle.

For 1/2" Sq. Handle.

Our Detachable Steel Sockets are accurately machined from solid steel bars of special analysis. Scientifically hardened and tempered to insure the maximum of strength and durability. The opening is slightly countersunk to facilitate the rapid placing of the socket on nut or bolt head. They are knurled, and finished in a rich blue steel mottled color—Rust resisting. Size stamped on each socket. All detachable Steel Sockets are absolutely guaranteed.

SQUARE OPENING SOCKETS

For 1/2" Sq. Handle	For 7/16" Hex. Handle	Size Square Opening	U. S. Stand. Nut	U. S. Stand. Head Cap.	U. S. Stand. Set Screw	List Price Each
269S		3/8	.....	.....	3/8	.30
270S	270	7/16	.....	5/16	7/16	.30
271S		1/2	1/4	3/8	1/2	.30
272S	272	9/16	.....	7/16	9/16	.30
274S	274	5/8	.....	1/2	5/8	.40
275S		1 1/16	3/8	9/16	.....	.50
277S		3/4	.....	5/8	3/4	.55
279S		7/8	1/2	3/4	7/8	.65

See Page 26 for Crome Vanadium Sockets

ADAPTERS

No. 276



No. 278



These adapters are machined from high quality bar steel and properly hardened.

No. 276—Adapter has 1/2" sq. shank male connection and 7/16" hex female connector.....Each \$0.50

No. 278—Adapter has 7/16" hex shank male connection and 1/2" sq. female connector.....Each .50

DETACHABLE STEEL SOCKETS

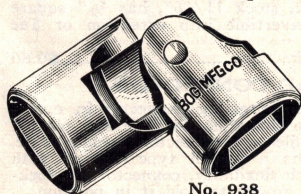
Tapered and Hardened
HEXAGON OPENING SOCKETS

For 1/2" Sq. Handle	For 7/16" Hex. Handle	Size Opening Inches	Size Nuts and Cap Screws	U. S. Stand. Nuts	U. S. Stand. Cap Screws	U. S. Stand. Bolt Heads	List Price Each
Stock No.							
213S		5/16	-----	-----	-----	-----	.30
215S		11/32	-----	-----	-----	-----	.30
217S		3/8	-----	3/16	-----	3/16	.30
218S	218	7/16	1/4	-----	-----	1/4	.30
220S	220	1/2	5/16	1/4	3/8	1/4	.30
222S	222	9/16	3/8	-----	-----	3/8	.30
224S	224	19/32	-----	5/16	-----	5/16	.30
226S	226	5/8	7/16	-----	-----	7/16	.30
228S	228	11/16	-----	3/8	1/2	3/8	.30
230S	230	3/4	1/2	-----	-----	1/2	.40
232S	232	25/32	-----	7/16	9/16	7/16	.40
234S	234	13/16	-----	-----	5/8	-----	.40
236S	236	7/8	9/16	1/2	-----	1/2	.40
238S	238	15/16	5/8	-----	-----	-----	.50
240S		31/32	-----	9/16	3/4	9/16	.50
242S		1	11/16	-----	-----	-----	.50
244S		1 1/16	3/4	5/8	7/8	5/8	.65
245S		1 1/8	-----	-----	1	3/4	.70
247S		1 1/4	7/8	3/4	5/16	3/4	.75

See Page 26 for Crome Vanadium Sockets

UNIVERSAL JOINT (1/2" Sq. Type)

An Indispensable Unit



No. 938

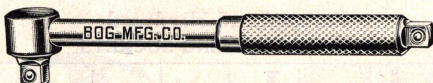
This extra heavy universal joint is made from solid bar steel, case hardened and tempered. Blue mottled finish. Fits all 1/2" sq. handles and extension bars.

Joint has free action; is 50% offset or 1/2 pitch. Makes difficult places accessible.

No. 938—Universal Joint (1/2" sq. type).....\$1.00

BOG MANUFACTURING COMPANY

OFFSET HANDLE

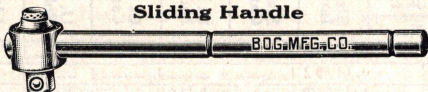


Comfortable knurled grip handle, fixed head accessible to close places, 10½" leverage.

No. 635—Offset handle, ½" sq. shank.....\$0.85

COMBINATION OFFSET AND TEE HANDLE

Sliding Handle



Handle is grooved locking type with thumb screw lock on sliding head. 10" long.

No. 637—Comb. Offset and Tee handle, ½" sq. shank \$0.75

PLAIN TEE HANDLES



For extension bars below, diam. 11/16", length 12" and 8", a sliding handle, very handy.

No. 639—8" Plain sliding handle.....\$0.40

No. 641—12" Plain sliding handle......60

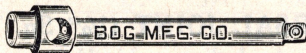
LONG EXTENSION SHANK



12" long, ½" square shank, stock 11/16", has ½" square opening in head, convertible into extension or Tee wrench.

No. 653—12" Extension shank.....\$1.10

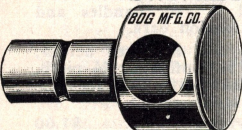
SHORT EXTENSION SHANK



6" long, ½" square shank, stock 11/16", has ½" square socket opening in head, convertible into extension or Tee wrench.

No. 651—6" Extension shank.....\$0.80

SWIVEL HEAD CONNECTOR

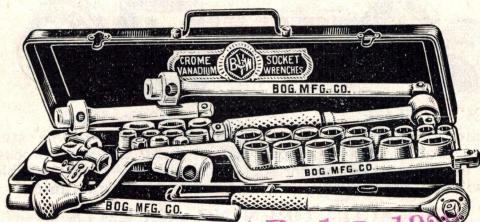


By inserting connector in extension shank handle hole and placing handle in connector handle hole, forms a swivel type wrench with much flexibility, connector has locking groove to hold it in position.

No. 661—Swivel Connector.....\$0.30

No. 600 C. V. SOCKET SET

THE MECHANIC'S TRUSTY



DELIVERY MAR. 1ST, 1928

This wrench set meets 90% of the requirements for wrenches, in machine shops, industrial plants, automobile repair and service and in fact wherever bolts and nuts are used.

Handles are machined to size, sockets are **Crome Vanadium** steel, tapered and hardened. **Contents:** 1 10" sliding tee handle, 1 12" tee and extension shank, 1 6" tee and extension shank, 1 9½" knurled grip solid head offset handle, 1 swivel connector, 1 universal joint, 1 valve grinding bit, 1 screw-driver bit, 1 18" long brace handle, 1 10" ratchet handle, 15 hexagon sockets, 7/16, ½, 9/16, 19/32, 5/8, 11/16, ¾, 25/32, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4. 8 square sockets, 3/8, 7/16, ½, 9/16, 5/8, 11/16, ¾, 7/8. All parts finished white nickel.

No. 600. CV Socket Set in steel box with handle.....\$25.00

CROME VANADIUM SOCKETS

Tapered and Hardened

SQUARE OPENING SOCKETS

For ½" Sq. Handle	Size Square Opening	U. S. Stand. Nut	U. S. Stand. Head Cap.	U. S. Stand. Set Screw	List Price Each
CV69	3/8	-----	-----	3/8	.40
CV70	7/16	-----	5/16	7/16	.40
CV71	1/2	1/4	3/8	1/2	.40
CV72	9/16	-----	7/16	9/16	.40
CV74	5/8	-----	1/2	5/8	.50
CV75	11/16	3/8	9/16	-----	.50
CV77	3/4	-----	5/8	3/4	.60
CV79	7/8	1/2	3/4	7/8	.65

BOG MANUFACTURING COMPANY

CROME VANADIUM SOCKETS



**Tapered and
Hardened**



1/2" Sq. Shank

3/4" Sq. Shank

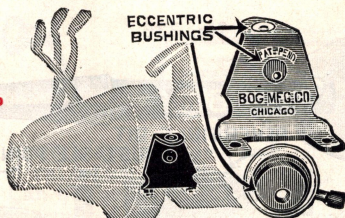
Crome Vanadium is the toughest and most durable steel for thin wall sockets. Bog's special heat treating process makes our Crome Vanadium sockets practically indestructible, they will not chip, crack or round out. Fully guaranteed.

HEXAGON OPENING SOCKETS

For 1/2" Sq. Handle	For 3/4" Sq. Heavy Duty Handle	Size Opening Inches	S. A. E. Nuts and Cap Screws	U. S. Stand. Nuts	U. S. Stand. Cap Screws	U. S. Stand. Bolt Heads	List Price 1/2" Sq. Shank	List Price 3/4" Sq. Shank
Stock No.								
CV18		7/16	1/4			1/4	.40	
CV20		1/2	5/16	1/4	3/8	1/4	.40	
CV22		9/16	3/8			3/8	.40	
CV24		19/32		5/16		5/16	.40	
CV26		5/8	7/16			7/16	.40	
CV28		11/16		3/8	1/2	3/8	.40	
CV30		3/4	1/2			1/2	.50	
CV32		25/32		7/16	9/16	7/16	.50	
CV34		13/16			5/8		.50	
CV36	HD36	7/8	9/16	1/2		1/2	.50	.90
CV38	HD38	15/16	5/8				.60	.90
	HD40	31/32		9/16	3/4	9/16	.60	.90
CV42	HD42	1	11/16				.60	1.00
CV44	HD44	1 1/16	3/4	5/8	7/8	5/8	.65	1.00
CV46	HD46	1 1/8			1	3/4	.75	1.00
CV48	HD48	1 1/4	7/8	3/4	5/16	3/4	.85	1.00
	HD50	1 3/8			1 1/8			1.25
	HD52	1 7/16	1	7/8		7/8		1.40
	HD54	1 1/2			1 1/4			1.45
	HD56	1 5/8	1 1/8	1		1		1.55
	HD58	1 13/16	1 1/4	1 1/8		1 1/8		1.80
	HD60	2	1 3/8	1 1/4		1 1/4		2.50
	HD62	2 3/16	1 1/2	1 3/8		1 3/8		2.75

CRANK CASE REPAIR ARM

**Easy to
Install**



No. 696

**Adjustable
Type**

The adjustable feature of this new type of repair arm is accomplished by the use of two eccentric bushings as illustrated, a decided improvement over the old type which is readily appreciated by the mechanic as it fits perfectly on either side of the car, resulting in a substantial saving in the cost of labor of installation.

Eliminates the unnecessary strain on crank case caused by lining up the holes with a pry bar, as is the usual practice with the ordinary type of arm, which is the cause of many leaks and waste of oil.

Can be installed in one-fourth the time ordinarily required for the job.

No. 696—Adjustable Type, each.....\$1.20

No. 698—Plain Type, same as above except without adjustable feature, each......65

SCREW DRIVER and VALVE GRINDER BITS

($\frac{1}{2}$ " Sq. Shank)



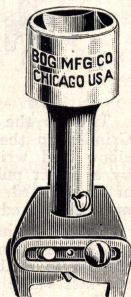
No. 945

No. 945—Screw Driver Bit is made of high quality Chrome nickel steel properly hardened and tempered, nickel finish; fits all $\frac{1}{2}$ " square shank handles.

No. 945—Screw Driver Bit\$0.60

No. 943—Valve Grinder is adjustable for all type gas engine valves; made of high quality steel; shank is nickel plated, but is case hardened; blue mottled finish. Fits all $\frac{1}{2}$ " sq. shank handles.

No. 943—Valve Grinder Bit\$0.40

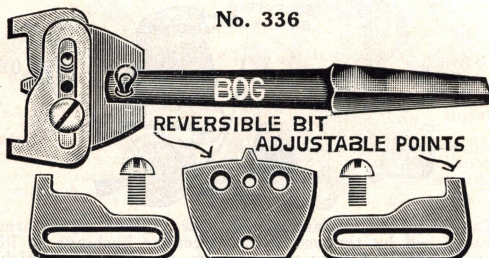


No. 943

BOG MANUFACTURING COMPANY

BIT BRACE VALVE GRINDER

No. 336

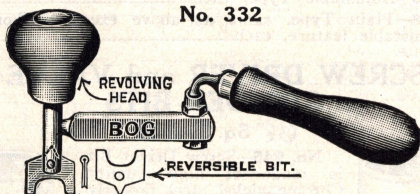


Adjustable for all sizes any types of valves. Fitted with reversible case hardened bit pivoted to shank as illustrated, making it possible to grind valves at an angle, or in inaccessible places. A very popular tool in the garage or repair shop. Polished nickel finish shank.

No. 336—Price, each\$0.40

THE "FLEXO" VALVE GRINDER

No. 332



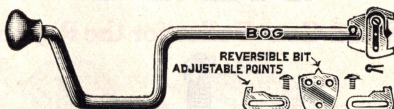
FOR FORD CARS

This is the most convenient and easiest operated Valve Grinder on the market for Ford cars. Instead of the usual elbow and wrist breaking motion employed, it is operated by a direct pull and push motion, the ball joint taking care of all upward, downward or side motions, so that the hand may be moved in a natural manner.

The revolving brace grip or head is sufficiently high to prevent striking the fingers with the handle, yet is low enough to enable the operator to grind the No. 8 (which is the last valve and practically under the dash) as quick and easily as any of the other valves.

No. 332—Price\$0.75

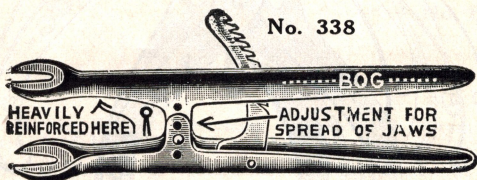
BRACE TYPE VALVE GRINDER



Has Reversible hardened and tempered Bit as shown in cut which will fit practically any type of valve. Can be used on all Ford valves when motor has been removed from car. Grinder is 19" long over all. Finished in white nickel with blue mottled bit. "The mechanics friend."

No. 314—Brace Type Valve Grinder, each.....\$0.75

OUR NEW IMPROVED VALVE SPRING LIFTER



No. 338

This tool is provided with an adjustable pivoted center, enabling the operator to adjust the jaws to four different levels for different heights of valves, keeping them parallel when valve spring is in a raised position, which prevents washer from binding on valve stem and lifting valve. A feature which greatly facilitates the rapid removal and replacement of valve pins as well as preventing springs slipping off and injury to the hands. Fitted with a latch bar for holding jaws in any desired position. Made of pressed steel, heavily reinforced and case hardened. Will not bend or break.

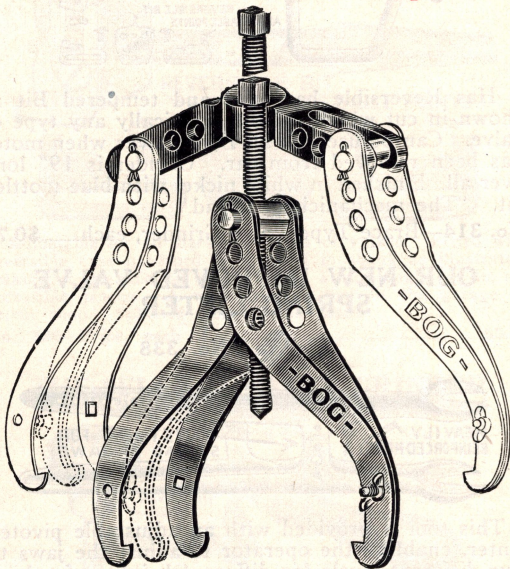
Adaptable for use on automobiles, trucks and tractors. 9" long over all, blue mottled finish.

No. 338—Each\$0.60

BOG MANUFACTURING COMPANY

DANDY

Wheel and Gear Puller for the Repair Shop



No. 924

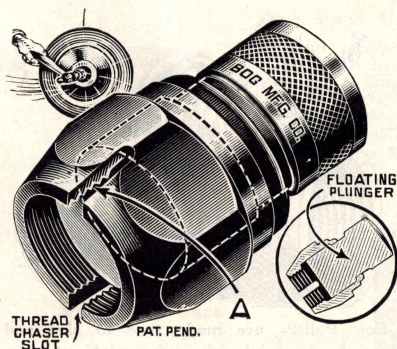
Designed to meet every requirement in the garage, machine shop or factory for a universal Wheel and Gear Puller. The screw and hooks are well proportioned and made of fine quality steel, scientifically hardened and drawn to produce the maximum of tensile strength and durability. By changing the position of the hooks as illustrated, either a two, three or four-hook puller may be had, which is a valuable feature for removing Automobile Wheels as it prevents the device from tilting while in use and enables the operator to line the screw up with the shaft when the wheel or gear contains an odd number of spokes. An extension bar is also furnished which provides a wide range of adjustments making it possible to catch the circumference of an 18" Brake Drum.

No. 924—Each\$6.75

Packed One in a Box.

"DRIVE-OUT" WHEEL PULLER

Floating Plunger



No. B3

EXTRA QUALITY
Built for Repair Shops

No. B1 size fits Baby Overland, Chevrolet 490, Durant 4, Essex 6, Ford Model T, Gray and Star.

No. B1— $\frac{5}{8}$ " "Drive-out"\$1.00

No. B2 size fits Chevrolet F. B., Chevrolet '24, '25, '26, '27, Dort 4, Franklin, Gardner, Maxwell, Moon 1918, Rollin, Saxon and White 4.

No. B2— $\frac{3}{4}$ " "Drive-out"\$1.10

No. B3 size fits Allen, Briscoe, Buick 4, Chrysler, Chalmers, Chandler, Chevrolet, B. G., Cleveland, Columbia, Dodge, Durant 6, Dort 6, Empire, Essex 4, Ford T Truck, H. C. S., Holmes, Hudson, Hupmobile, Jewett, Jones, Lexington, Maxwell Truck, Mitchell, Monroe, Moon, Nash, Oakland, Oldsmobile, Overland, Paige Paterson, Peerless, Pullman, Roamer, Ross, Standard, Stephens, Studebaker Little Six, Stutz, Templar, Velie, Westcott, Yellow Cab and Whippet '27.

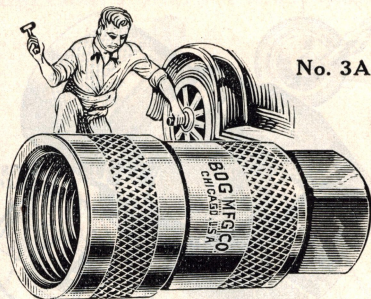
No. B3— $\frac{7}{8}$ " "Drive-out"\$1.25

No. B4 size fits Auburn, Chevrolet Truck '26, '27, Davis, Dixie Flyer, Elcar, Elgin, Flint, Haynes, Jackson, King, Moon, Reo, Rickenbacker, Studebaker Spec. and Studebaker 6.

No. B4—1" "Drive-out"\$1.50

THE "KNOCK-OUT" WHEEL PULLER

Fits 90% of all Automobiles.



Bog Pullers are made true to size and properly hardened—a dependable tool.

No. 1A size fits Baby Overland, Chevrolet 490, Durant 4, Essex 6, Ford Model T, Gray and Star.

No. 1A. Price\$0.85

No. 2A size fits Chevrolet F. B., Chevrolet '24, '25, '26, '27, Dort 4, Franklin, Gardner, Maxwell, Moon 1918, Rollin, Saxon and White 4.

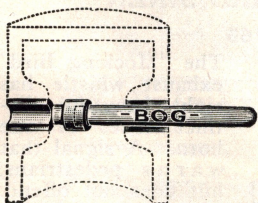
No. 2A. Price\$0.90

No. 3A size fits Allen, Briscoe, Buick 4, Chrysler, Chalmers, Chandler, Chevrolet, B. G., Cleveland, Columbia, Dodge, Durant 6, Dort 6, Empire, Essex 4, Ford T Truck, H. C. S., Holmes, Hudson, Hupmobile, Jewett, Jones, Lexington, Maxwell Truck, Mitchell, Monroe, Moon, Nash, Oakland, Oldsmobile, Overland, Paige, Paterson, Peerless, Pullman, Roamer, Ross, Standard, Stephens, Studebaker Little Six, Stutz, Templar, Velie, Westcott, Yellow Cab and Whippet '27.

No. 3A. Price\$1.00

No. 4A size fits Auburn, Chevrolet Truck, '26, '27, Davis, Dixie Flyer, Elcar, Elgin, Flint, Haynes, Jackson, King, Moon, Reo, Rickenbacker, Studebaker Spec. and Studebaker 6.

No. 4A. Price\$1.20



No. 904

PISTON PIN BUSHING REMOVER

For Ford Cars

A perfect tool is required to remove the bushings from Ford pistons. This remover is made of high grade steel, machined to size, properly hardened, blue mottled finish.

No. 904. Piston Bushing Remover\$0.40

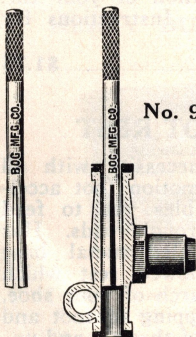
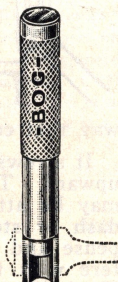
SPINDLE ARM BUSHING REMOVER

For Ford Cars

The bushing on the spindle arm has a very thin wall when worn. Our remover is machined to size for this job from high quality steel properly hardened. Blue mottled finish.

No. 906. Spindle Arm Bushing Remover\$0.40

No. 906



No. 908A

SPINDLE BODY BUSHING REMOVER

For Ford Cars

Spindle body bushings on the Ford car are difficult to get at. This type remover must be made of high quality steel and be carefully machined with proper hardening to give service. Our remover is carefully made of best material, with spring temper, blue mottled finish.

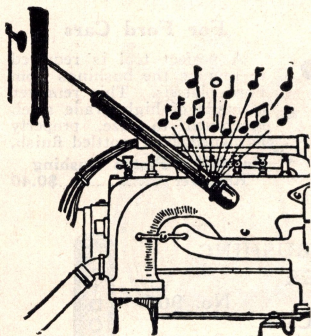
7¾" long over all, knurled handle.

No. 908A. Spindle Body Bushing Remover\$0.50

See Page 26 for Crome Vanadium Sockets

MOCKING BIRD SIREN

No. 765



The "Mocking Bird" exhaust whistle has eight beautiful distinct tones in one horn. A signal that warns pedestrians, but does not offend. Not shrill and harsh, but soft and distinct. No matter how loud the rattle and rumble of traffic, the Mocking Bird Siren penetrates above the noise and sounds its melodious signal in a

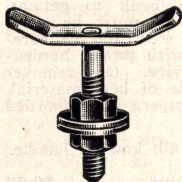
way that commands attention.

It screws into the exhaust manifold and extends upward. The valve is controlled by a cord which may be attached to any convenient place on the dash or steering column. Eliminate battery expense and trouble. Does not in any way interfere with the mechanical operation of your car. Has $\frac{1}{2}$ " standard pipe thread. Instructions for attaching included.

No. 765—Price, each.....\$1.75

ACCELERATOR FOOT REST

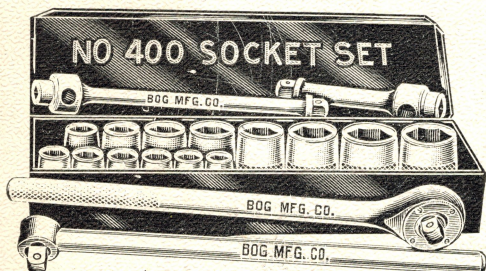
No. 268



A real necessity with all downward motion foot accelerators enables you to feed steadily on rough roads. Has black enameled metal base with a hollowed rest which fits in the arch of your shoe, prevents slipping of foot and "plunging" of throttle and uneven feeding. Made adjustable for height.

No. 268—Price, each.....\$0.50

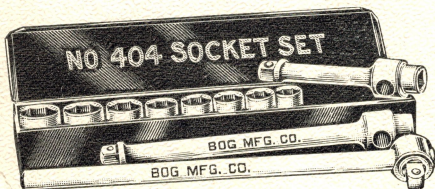
HEAVY DUTY SOCKET SET No. 400



A HEAVY DUTY Socket Wrench Set with a range of socket openings for all classes of work. Sockets are machined from **Crome Vanadium** steel, hardened and tempered, handles are strong and well balanced. **Contents:** 1 20" Ratchet handle, 1 20" sliding head offset handle, 1 12" tee and extension shank, 1 6" tee and extension shank, 14 **Heavy Duty** hexagon sockets, $\frac{7}{8}$, $\frac{15}{16}$, $\frac{31}{32}$, 1, 1 $\frac{1}{16}$, $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$, 1 $\frac{7}{16}$, $1\frac{1}{2}$, $1\frac{5}{8}$, 1 $\frac{13}{16}$, 2, 2 $\frac{3}{16}$ ". All handles $\frac{3}{4}$ " square shank. Nickel finish.

No. 400. Heavy duty set, metal box..... \$32.00

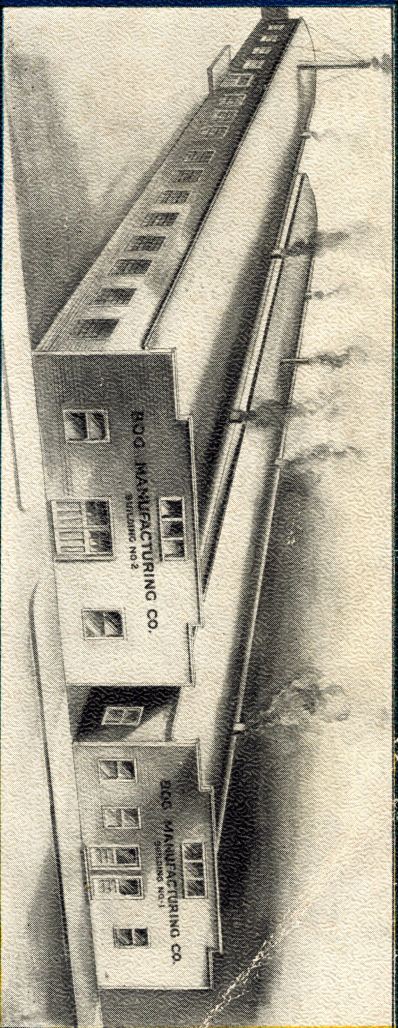
HEAVY DUTY SOCKET SET No. 404



This set is a handy tool kit size constructed the same as our No. 400 set. **Contents:** 1 18" sliding head offset handle, 1 12" tee and extension shank, 1 6" tee and extension shank. 8 **Heavy Duty** hexagon sockets $\frac{7}{8}$, $\frac{15}{16}$, 1, 1 $\frac{1}{16}$, $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$, 1 $\frac{7}{16}$ ". All handles $\frac{3}{4}$ " square shank. Nickel finish.

No. 404. Heavy duty set, metal box.....\$15.00

DELIVERY MAR. 1ST. 1928



THIS new Modern Plant owned and operated by the BOG MANUFACTURING CO., is equipped with AUTOMATIC MACHINERY OF THE VERY LATEST TYPE and is devoted exclusively to the manufacture of BOG SUPERIOR QUALITY PRODUCTS.

Being located outside of the congested districts, affords an abundance of light and ventilation which insures the finest of working conditions for employees, a valuable factor in the production of first class merchandise, and enabling us to render the best possible service to the trade.